

Weekly Report

06/29/2015 - 07/05/2015

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1 Summary

This week I mainly focus on the DataScanner1 project (the second phase of data inspection).

2 Projects

2.1 Project 1 - DataScanner1

As being discussed in the last weekly report, the job for this week is to improve the visualization and the interaction of the DataScanner1 system. I fixed the two bugs in last weekly report: the drag interaction problem and the relation data error.

2.2 Project 2 - NBA Game Visualization

Lao implemented some new features of NBA (refer to her weekly report).

2.3 Project 3 - FlowTracker

Guan and I had a discussion of the flow design with Dr. Wu. We had some new ideas and will keep looking for new ideas next week. After that she will start implementing the flow design.

2.4 Project 4 - TopK Project

I referred to Xiwen Cai for advises on user study. According to his comments, I will re-implement the experiment 1 of the user study as follows:

- Re-order the tasks according to their difficulties.

- Quantify the pattern of time series with user strokes (not drag stroke but click stroke along the time axis). Thus users' performance can be measured by the sum of distances of the actual time series to the one drawn by users with the exact alignment of time.
- "NA" is of no sense.
- Randomize the order of designs and options.
- Record time of completion.
- With the analysis, p-value testing need to be reconsidered.

With regard to experiment 2, because only the user experience of the system usage are interviewed, I will eliminate the exercises (no performance is recorded) and just do interview.

According to his comments, I've started the user study system implementation.

3 Paper Reading and Miscellaneous

Our first version of top-k paper is accepted to ChinaVis. I revised the paper according to the review comments and have re-submitted to the review system.

4 To Do List

1. Complete user study system.
2. Revising TopK paper.